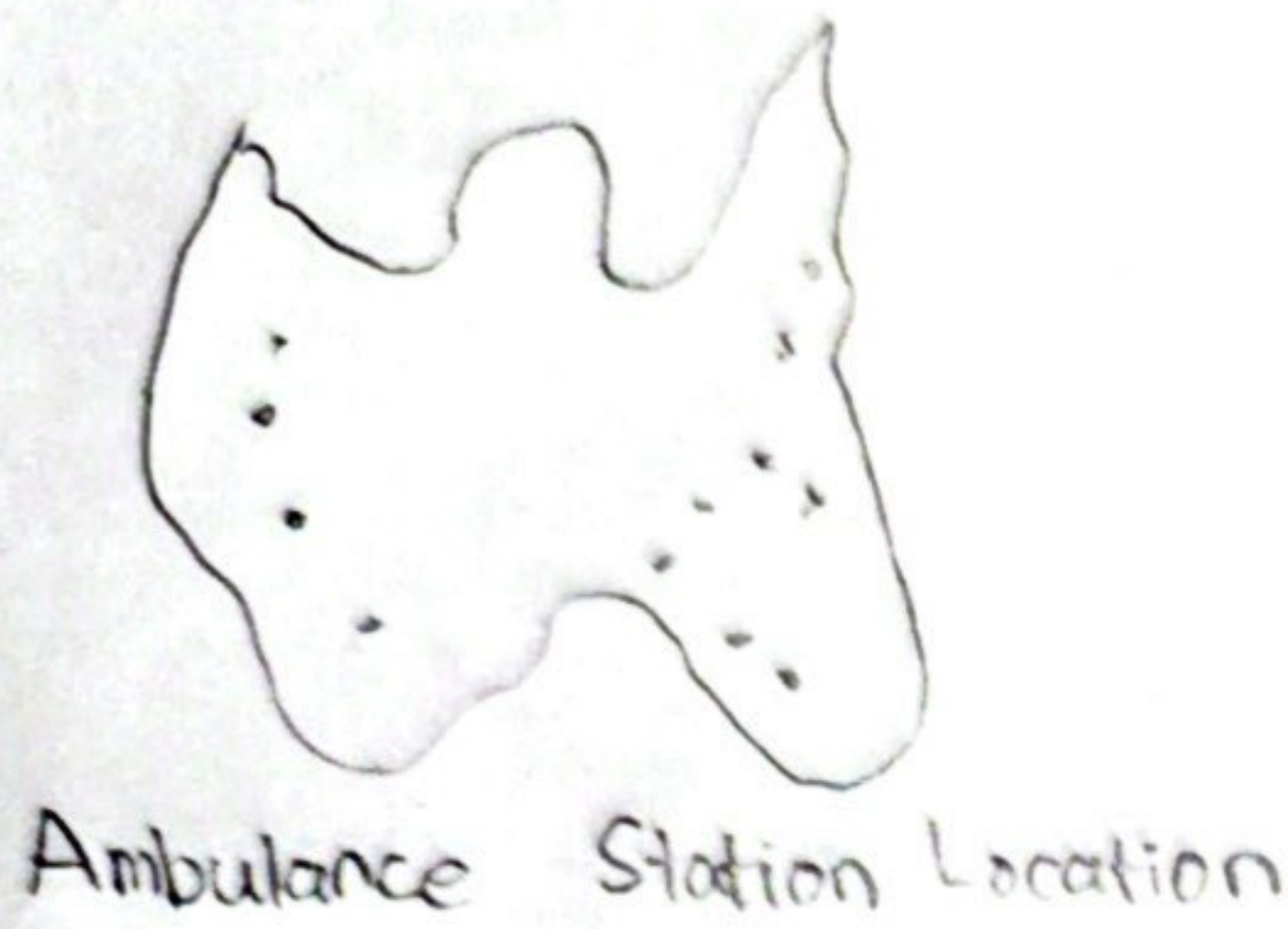
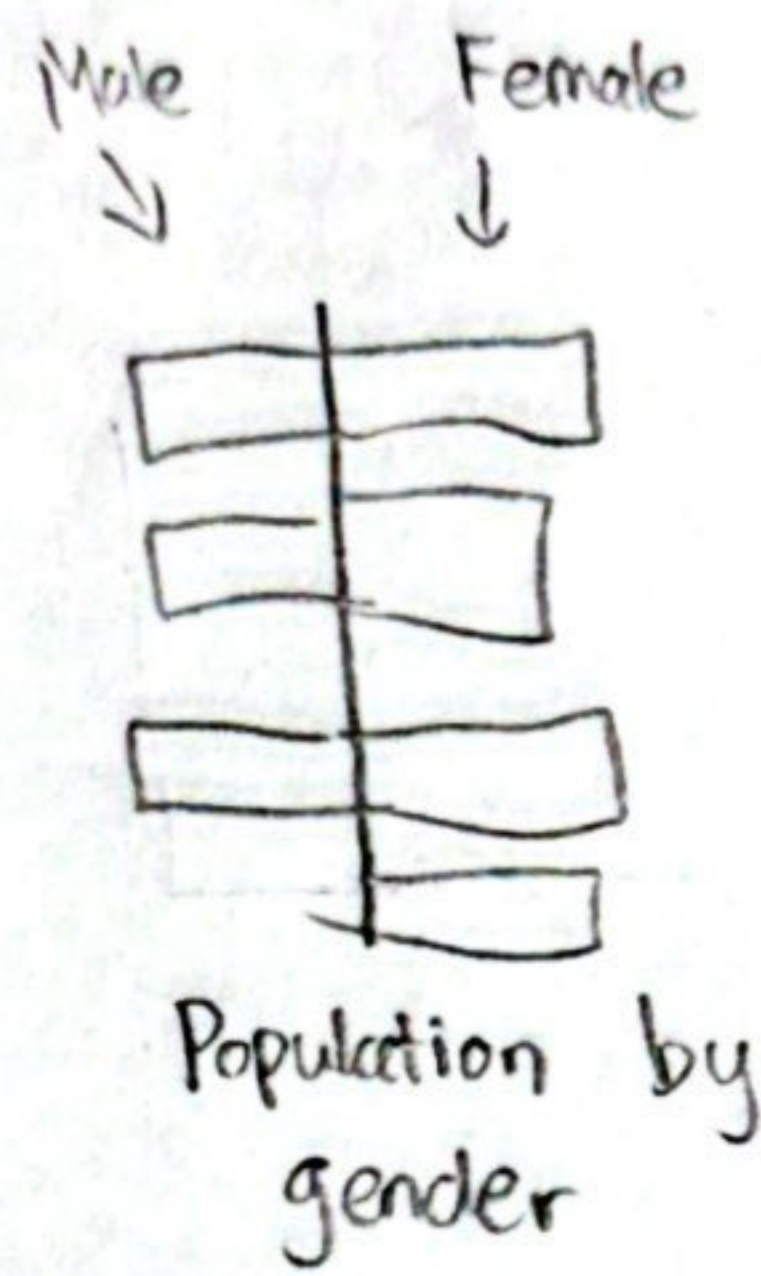
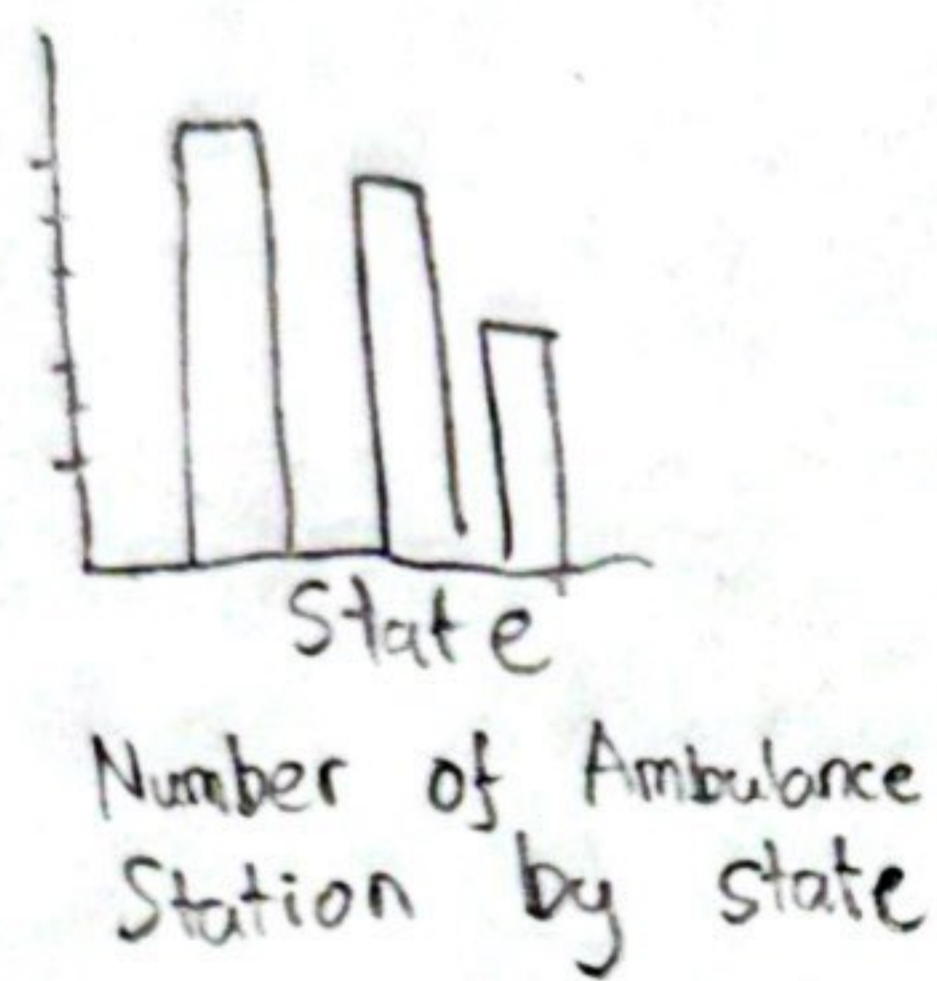
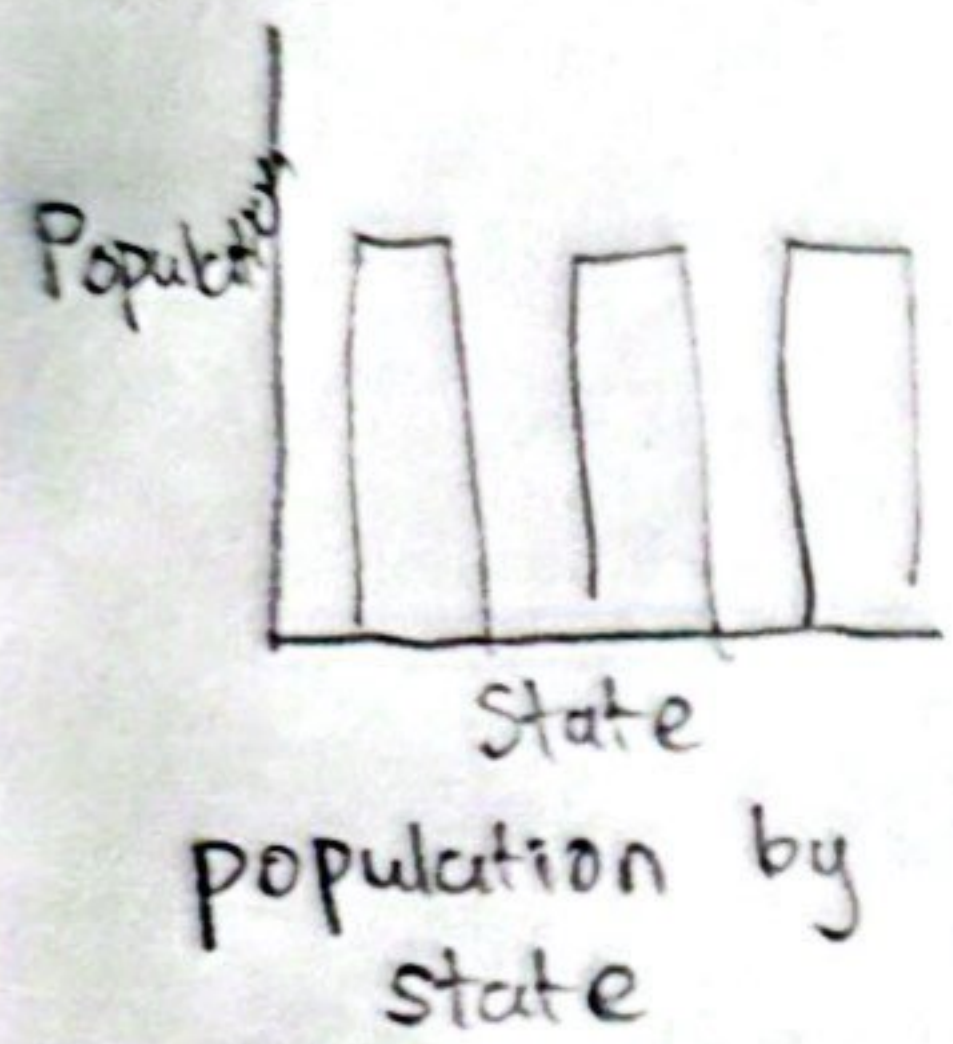


# IDEAS

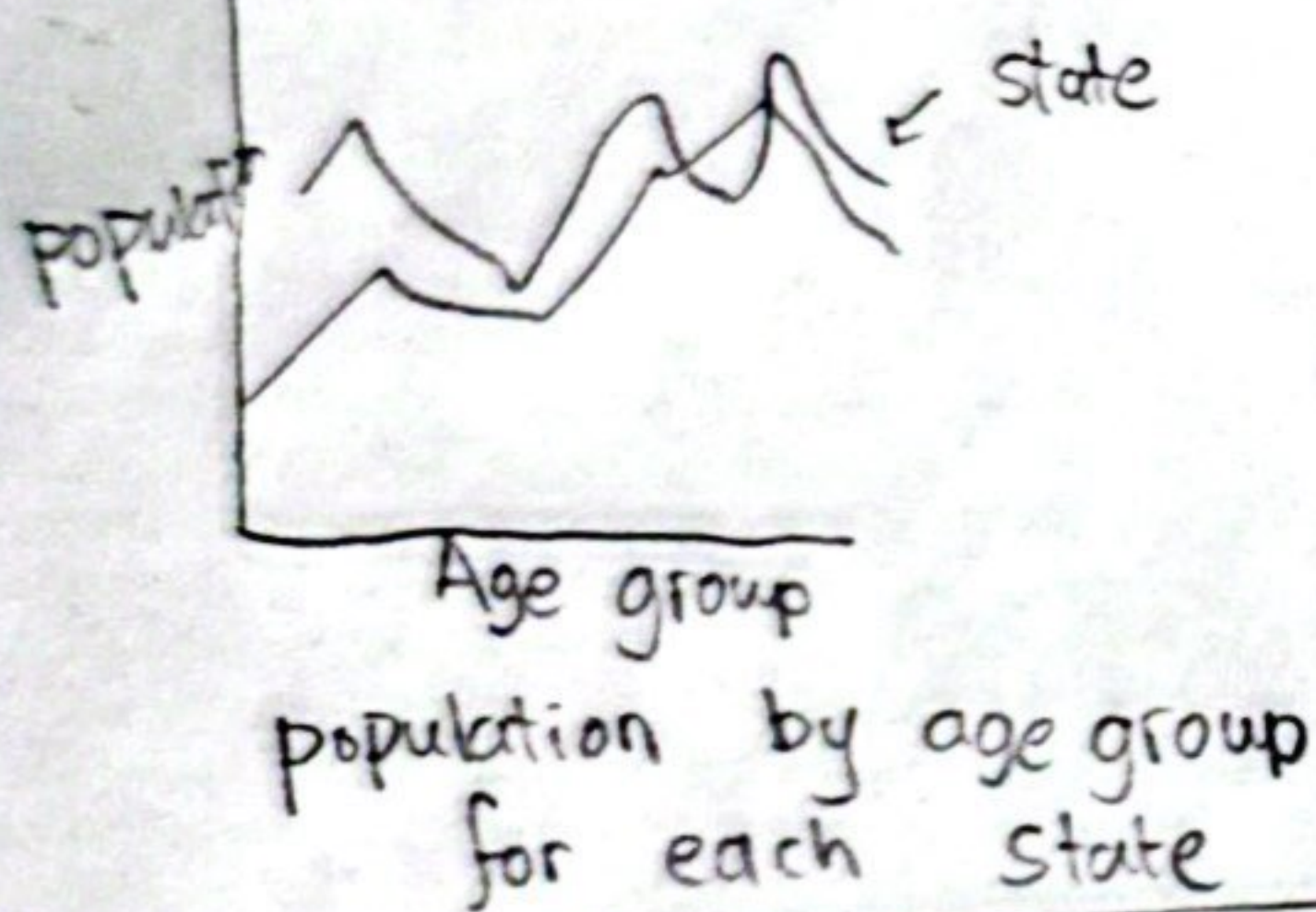
## • Map



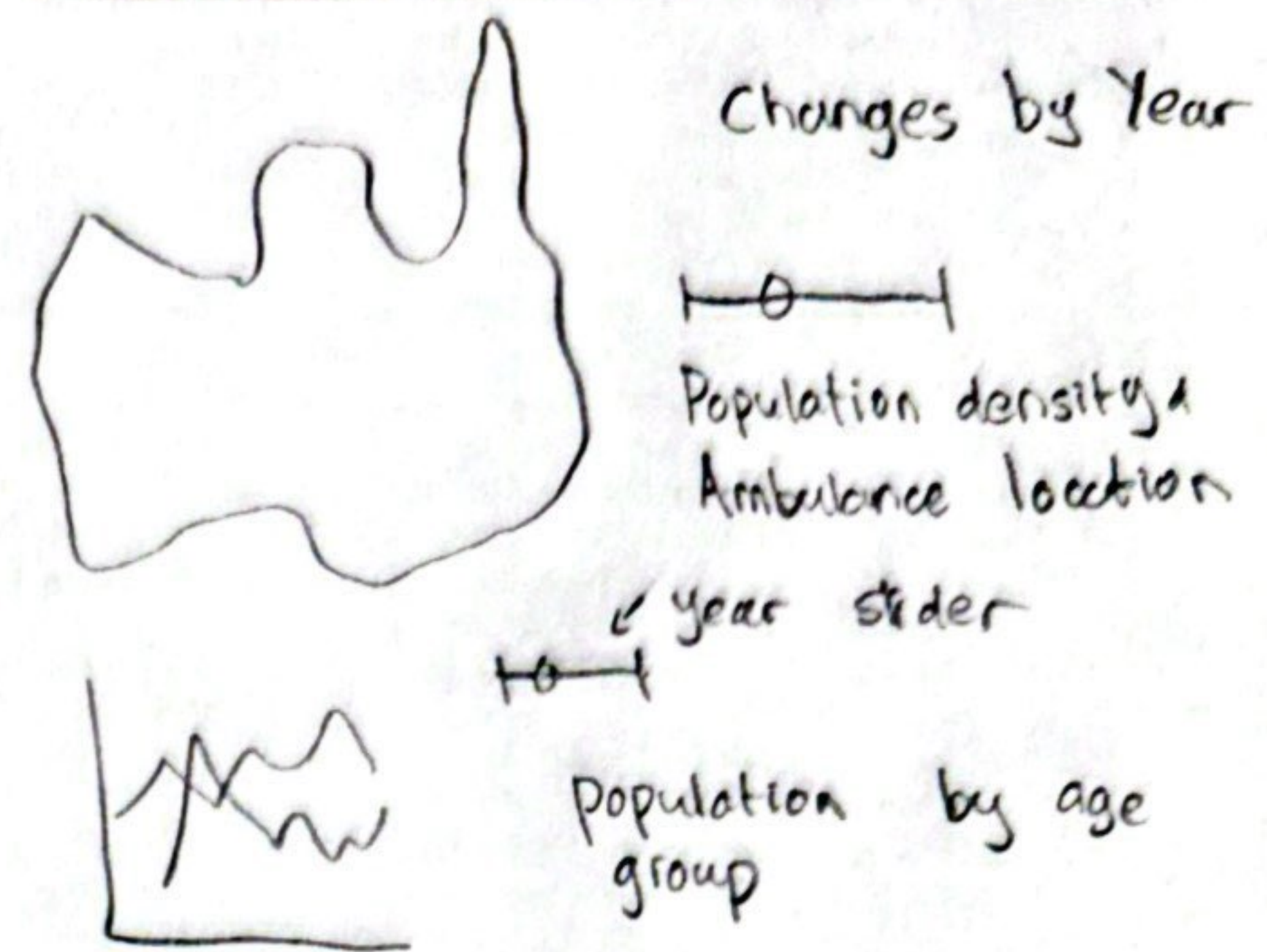
## • Bar



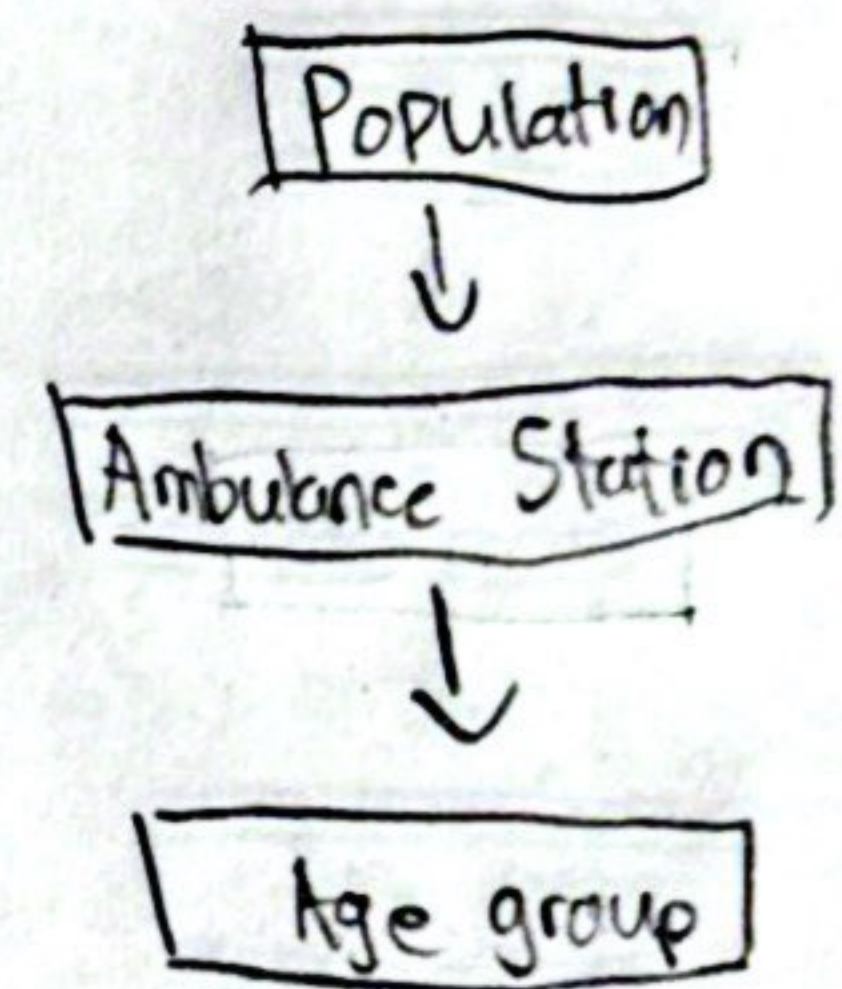
## • Line



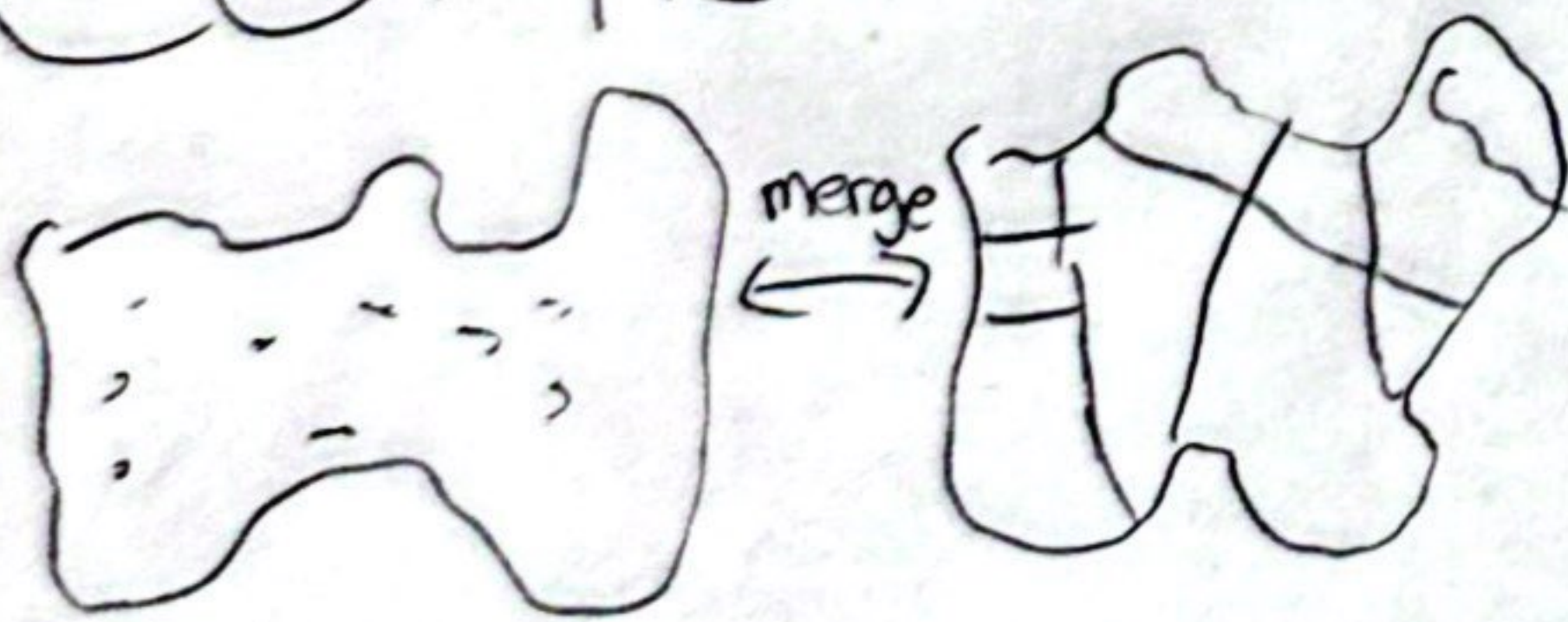
# FILTER



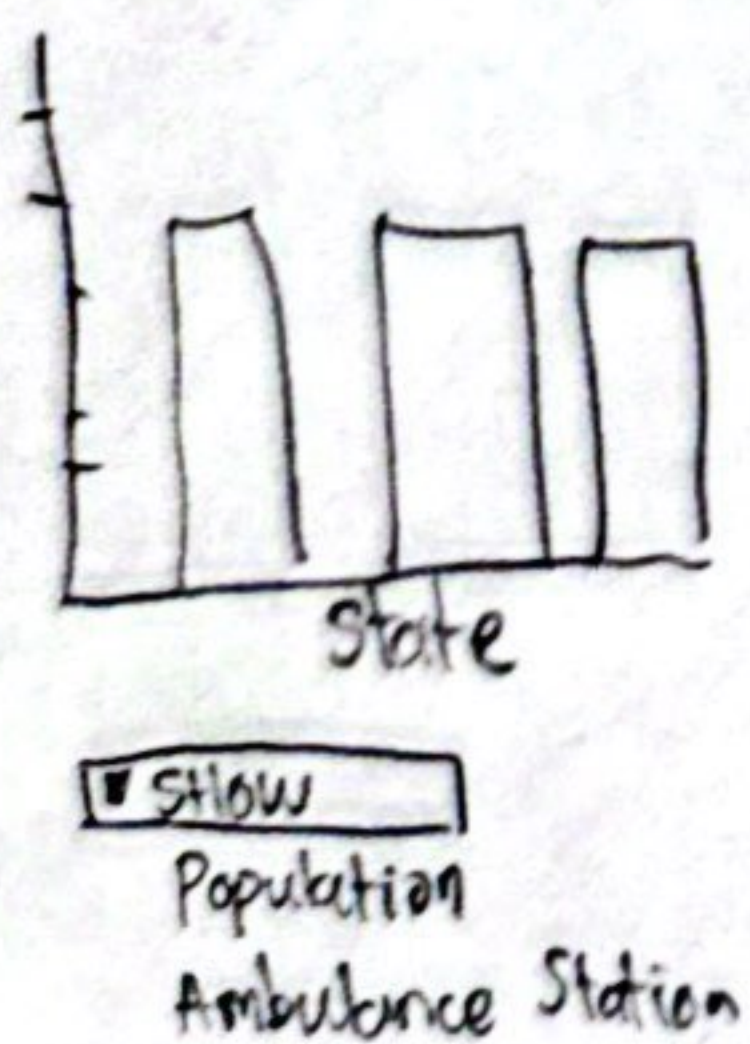
# CATEGORIZE



# COMBINE & REFINE



Combine the maps into one map with filter



Combine the bar chart with the option to switch

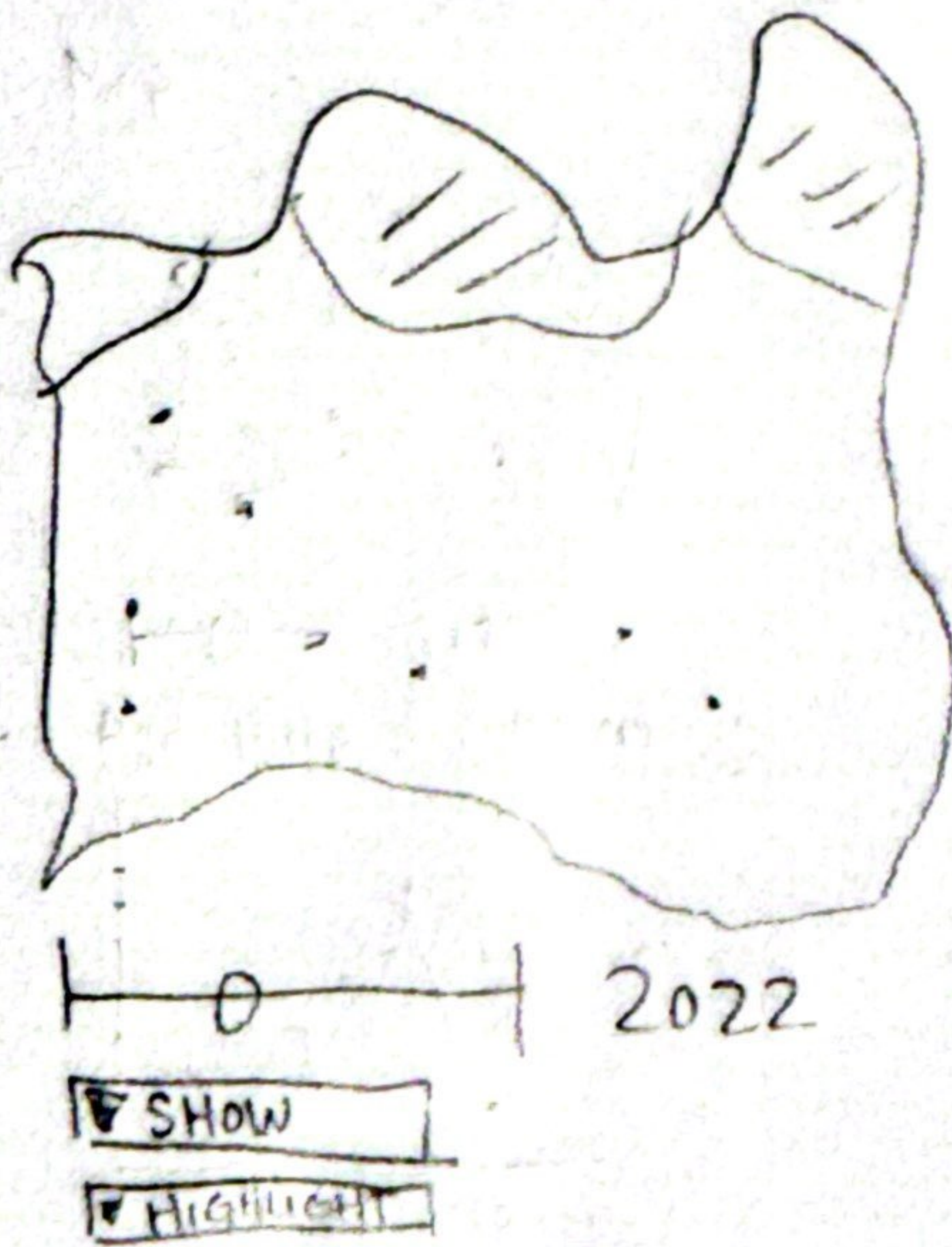
## Question

1. How to make it visually attractive?
2. How should the layout be?
3. What story to capture attention?



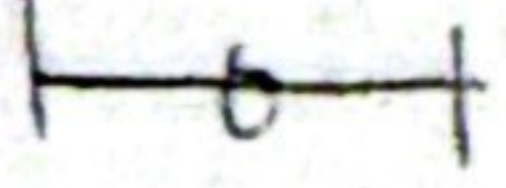
# LAYOUT

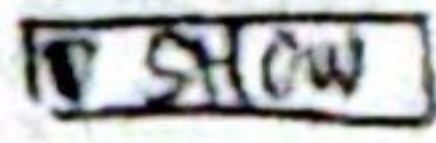
## Population & Ambulance

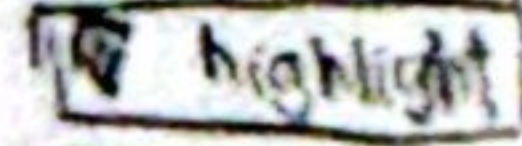


TITLE : Population & Ambulance  
AUTHOR : Kent Sebastian  
Wongsodindjo  
DATE : 12/10/2025  
SHEET : 2

## OPERATION

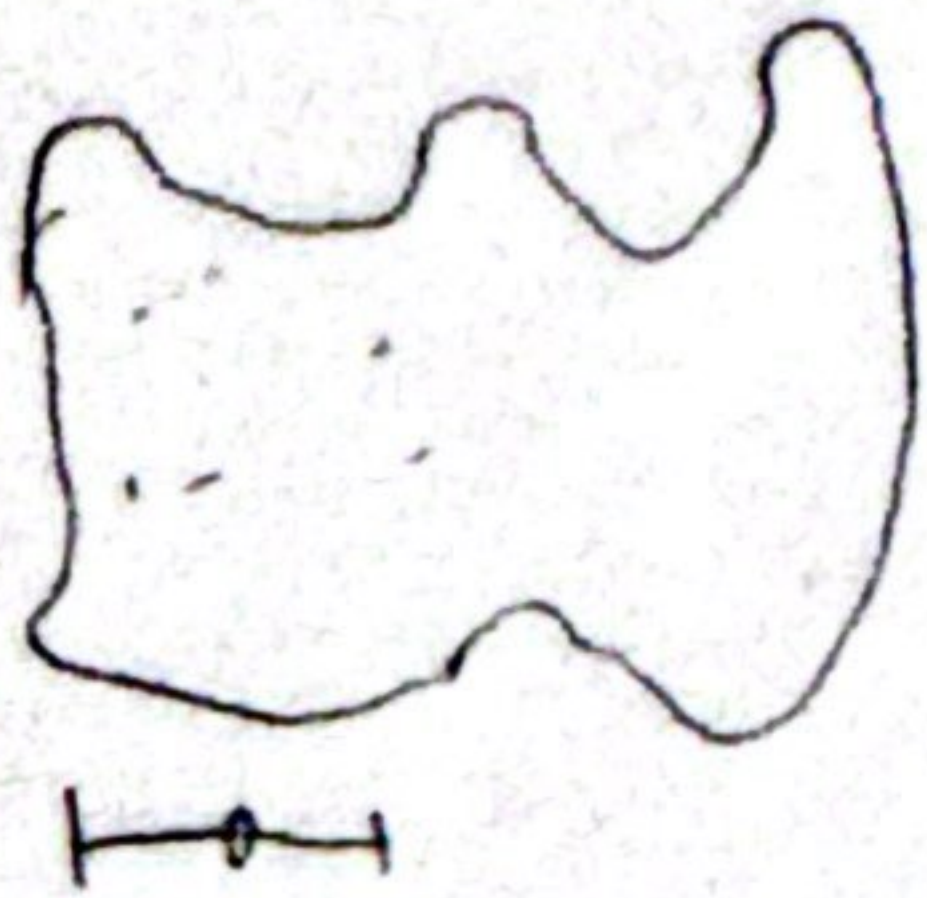
 year slider  
to change year

 show either population  
density, ambulance  
location, or both

 highlight certain  
area in the map

- Tooltip showing total population  
and ambulance location

## FOCUS



Main focus is on the map  
that shows the population density  
and ambulance location

Each state will be colored different  
to show the geographical difference

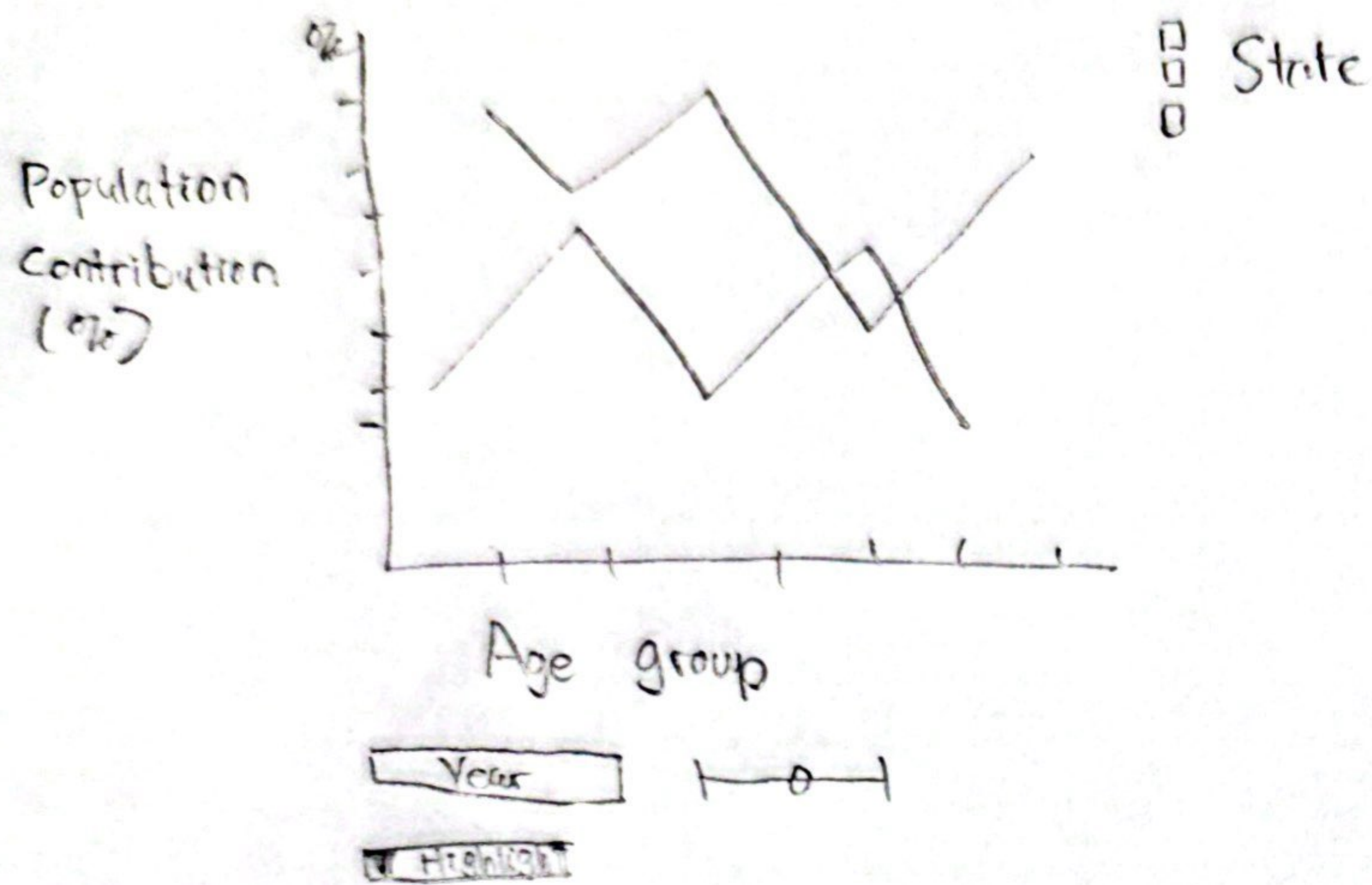
## DISCUSSIONS

+ Visually attractive  
+ Shows all necessary data

- Might be too complicated  
- Some data might overlap



# LAYOUT



TITLE : AGE Composition by State

AUTHOR : Kent Sebastian Wongsodirdjo

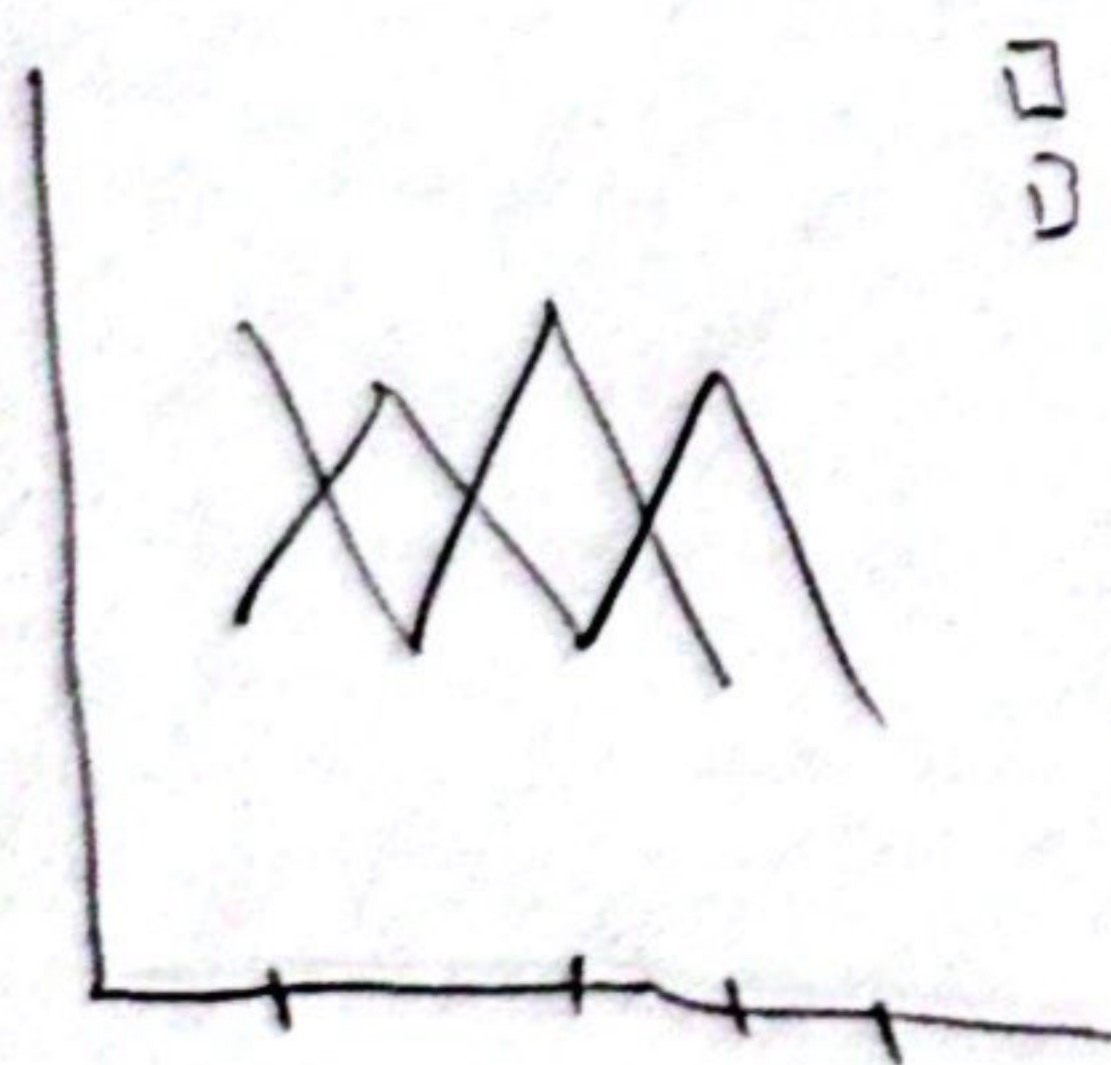
DATE : 12/10/2025

SHEET : 3

## OPERATION

- Year slider to filter by year
- Highlight filter to highlight certain state
- Tooltip showing state, age group, and % value

## FOCUS



- Shows the age distribution of each state by age group
- The highlight filter allows for analysis

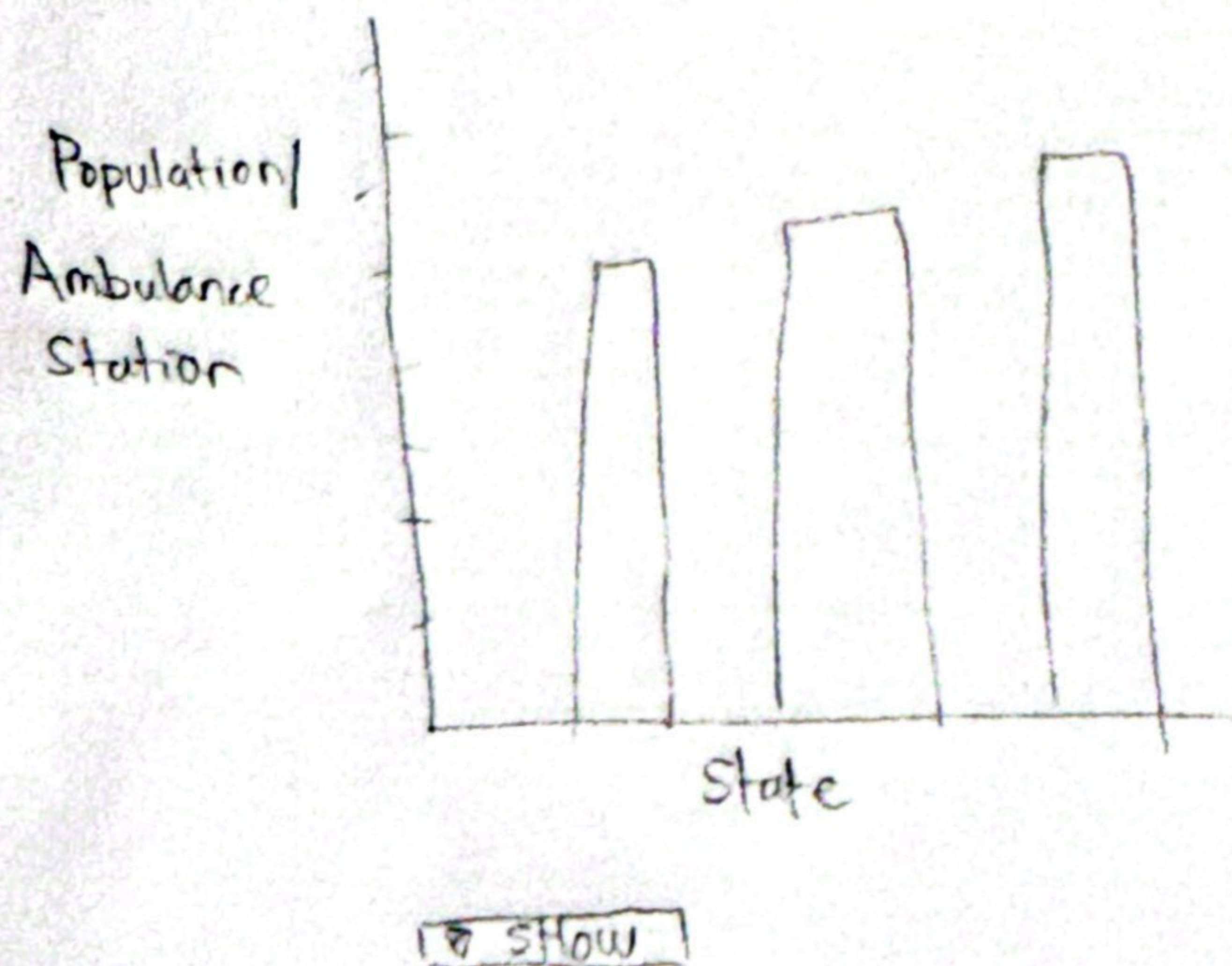
## DISCUSSION

- + Easy to compare each state
- + Compliments the map

- Might clutter
- Too simple



# LAYOUT

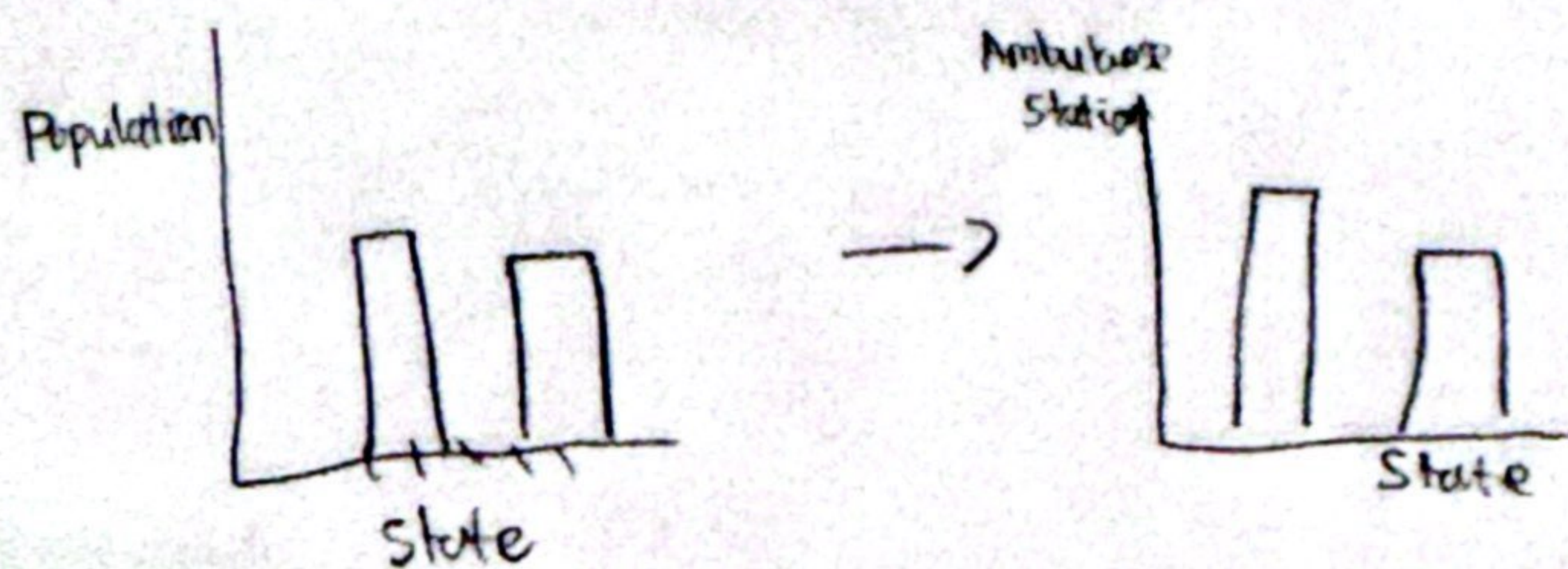


TITLE : Population and Ambulance Station by state  
AUTHOR : Kent Sebastian Wangsodirdjo  
DATE : 12/10/2025  
SHEET : 4

## OPERATION

- Tooltip that shows the state and quantitative value
- Show filter to switch between two chart of population and Ambulance station

## FOCUS



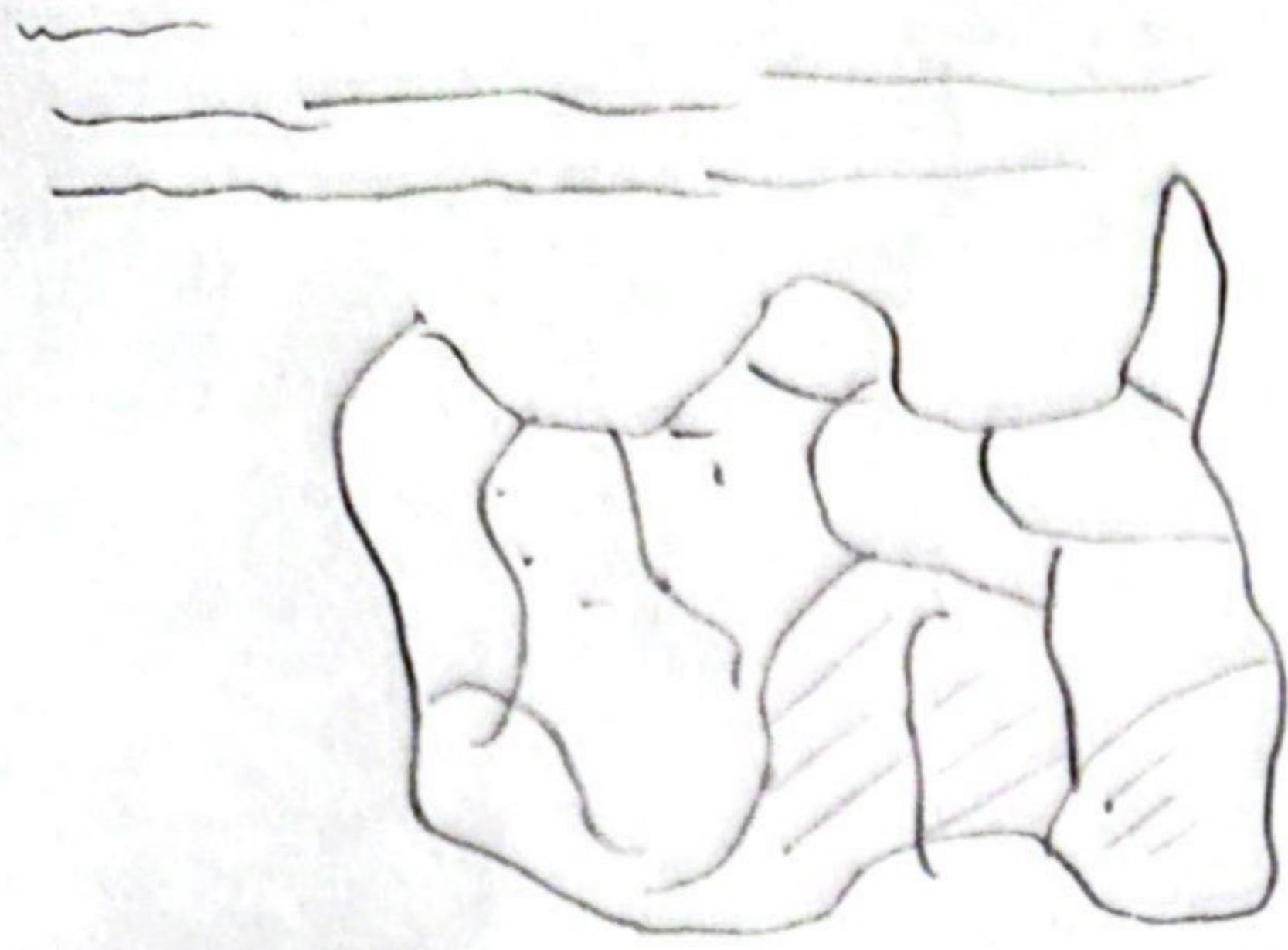
- The main idea is to show correlation between population and ambulance station
- The tooltip provide precise value

## DISCUSSION

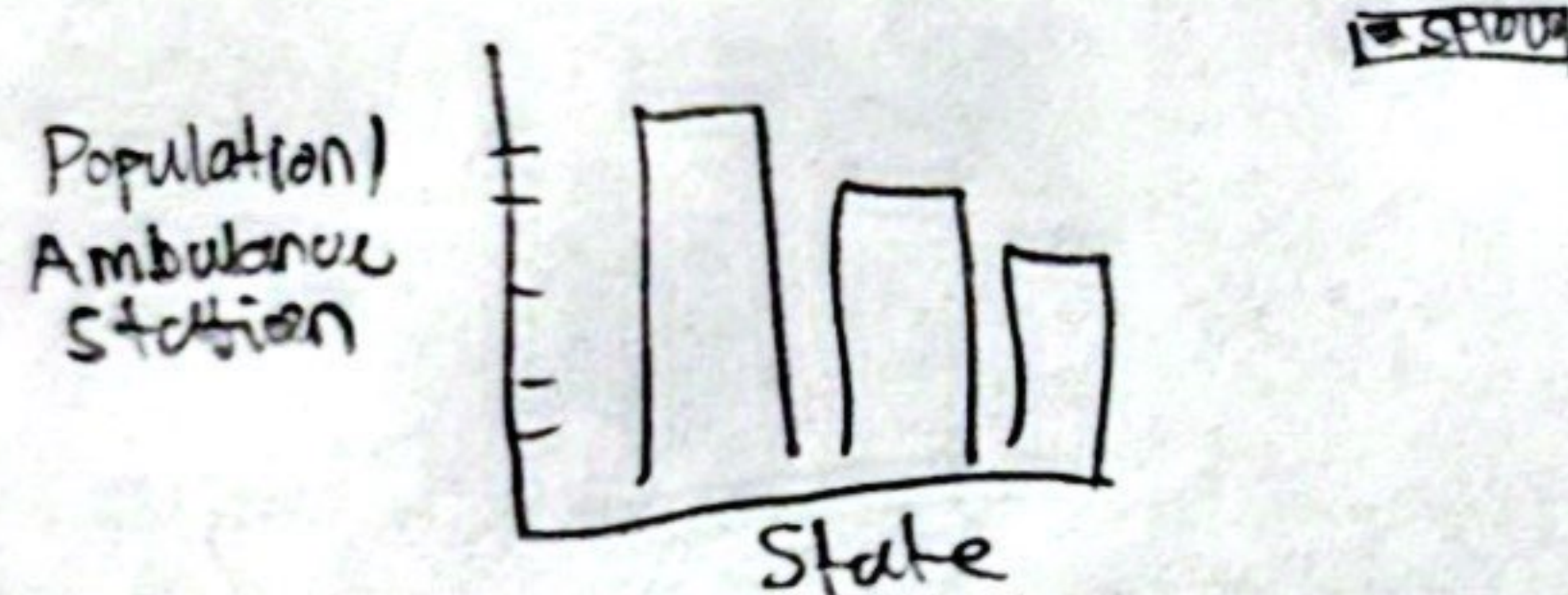
- + clear visual comparison
- + Helps to tell the story
- Less geographical detail
- Bounded by year (2024)



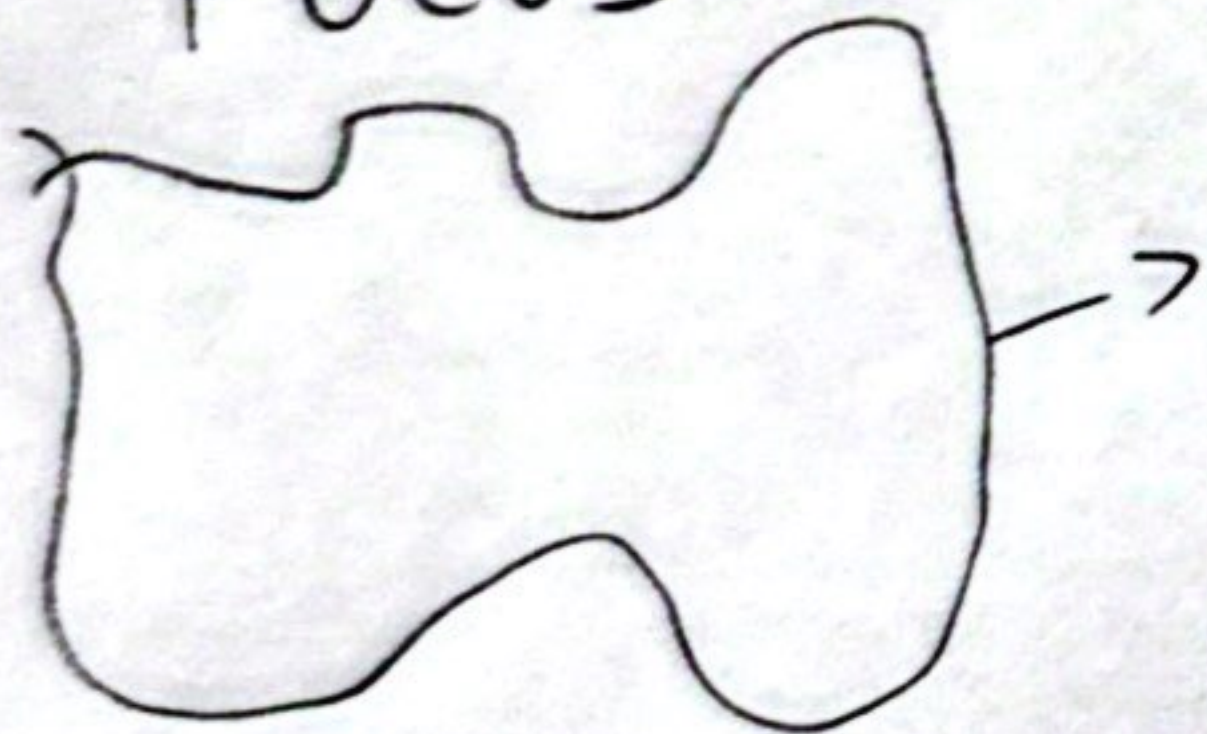
# AUSTRALIA'S POPULATION DENSITY & AMBULANCE STATION



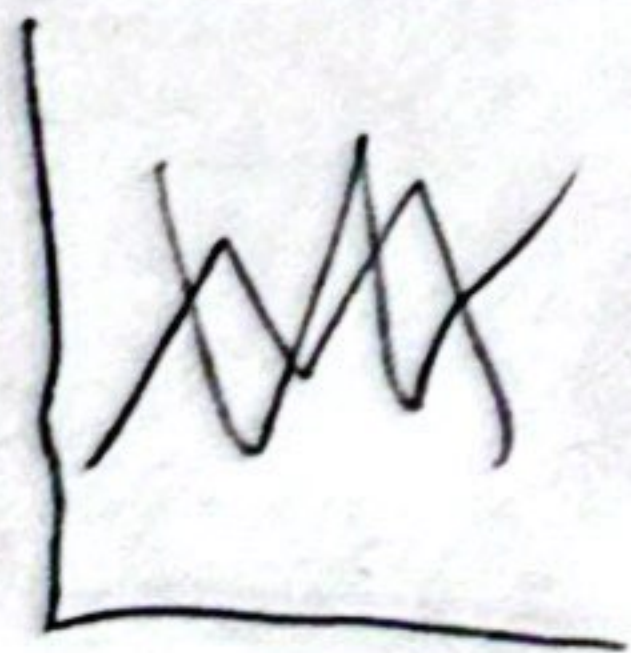
2024  
SHOW  
HIGHLIGHT



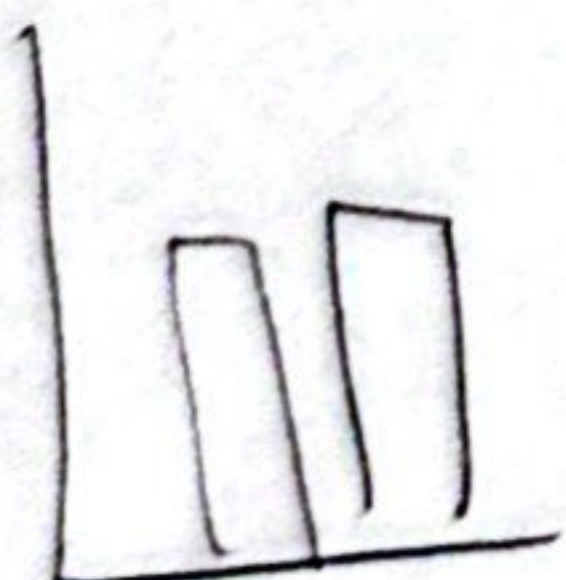
## FOCUS



Showing the distribution of population and ambulance station by year



Visualise the contribution of different age group for each state by year



Compare the population of each state with the number of ambulance station

Wongsodiraj

DATE : 12/10/2025

SHEET : 5

## OPERATION

### Map

- Year slider
- Highlight - to highlight certain area
- Show - Show different data on the map
- Tooltip

### Line

- Year slider
- Highlight state filter
- Tooltip

### Bar

- Show different data (Population & Ambulance Station)
- Tooltip

## DETAILS

- Gather datasets
  - ABS dataset
  - Digital Atlas
- Clean the datasets
  - Method
    - Python
- Dependencies
  - Vegalite, CSS, HTML (software) <sup>Git</sup>
  - Data : CSV from source
- Requirement
  - Dashboard available through Github
  - Map idiom
  - Interactive features
- Time
  - Cleaning ~ 1 day
  - Visualisation ~ 7 days
  - Testing ~ 2 days
  - Total -> 10 days